

## Koch, Kristine

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**From:** Koch, Kristine  
**Sent:** Thursday, February 12, 2015 11:54 AM  
**To:** Mike Poulsen (poulsen.mike@deq.state.or.us); Jennifer Peterson (peterson.jennifer@deq.state.or.us)  
**Cc:** Tom Gainer (gainer.tom@deq.state.or.us)  
**Subject:** FW: 95th percentiles of upstream detection limits  
**Attachments:** PeCDD\_TCDD\_95UCLMDLasSWACfloor.pdf

Jen and Mike,

Preliminary draft RAL Curves. We will share the final with you when we have them drafted. The green hashed line represents the DL, not the risk-based PRG.

Kristine Koch  
Remedial Project Manager  
USEPA, Office of Environmental Cleanup

U. S. Environmental Protection Agency  
Region 10  
1200 Sixth Avenue, Suite 900, M/S ECL-122  
Seattle, Washington 98101-3140

(206)553-6705  
(206)553-8581 (fax)  
1-800-424-4372 extension 6705 (M-F, 8-4 Pacific Time, only)

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**From:** King, Todd W. [mailto:KingTW@cdmsmith.com]  
**Sent:** Thursday, February 12, 2015 5:03 AM  
**To:** Allen, Elizabeth; Koch, Kristine; Coffey, Scott; Gustavson, Karl; Mullin, Jeanette; Foster, Malena L.  
**Subject:** RE: 95th percentiles of upstream detection limits

And all is right with the world...

I didn't redo PeCDF since the PRG was > than EPA MDL...

TK

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**From:** Allen, Elizabeth [mailto:allen.elizabeth@epa.gov]  
**Sent:** Thursday, February 12, 2015 1:58 AM  
**To:** Koch, Kristine; Coffey, Scott; King, Todd W.; Gustavson, Karl; Mullin, Jeanette; Foster, Malena L.  
**Subject:** 95th percentiles of upstream detection limits

OK, here's a quick analysis. Points to note, this excludes the data apparently collected under the EPA source investigation effort, which is data collected under the task WLFLH07. These data were also excluded from the analysis of background done in the RI. I've also excluded detected data, although after excluding the WLFFL data, the frequency of detections are 39 and 35 percent for PeCDF and PeCDD, respectively. But as you'll see, there are some interesting bits of information that come out of that. Here is the simple result in terms of the 95<sup>th</sup> percentiles:

1,2,3,7,8-PeCDD 0.00009 ug/kg  
2,3,4,7,8-PeCDF 0.00008 ug/kg  
2,3,7,8-TCDD 0.00006 µg/kg

Of interesting note is that of the detections of PeCDD and PeCDF, only two each were detected at concentrations greater than the 95<sup>th</sup> percentile of the non-detects. Curious. The “DL value” for PeCDF is greater than the PRG, it’s less than the PRG for PeCDD and TCDD by about an order of magnitude.

I’ll take a quick look at the data Todd sent first thing tomorrow morning, but I don’t think it’ll change these values much, if at all.